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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/459,644	12/13/1999	TAKASHI TSUNODA	862.3166	1438

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NEW YORK, NY 10112

EXAMINER

CHUNG, DANIEL J

ART UNIT	PAPER NUMBER
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2672

DATE MAILED: 04/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/459,644

Applicant(s)

TSUNODA, TAKASHI

Examiner

Daniel J Chung

Art Unit

2672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 October 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 31,33-35,37,38,40-42,44 and 45 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 31,33-35,37-38,40-42 and 44-45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 31,33-35,37-38,40-42 and 44-45 are presented for examination. This office action is in response to the amendment filed on 10-22-2004.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 31,33-35,37-38,40-42 and 44-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shishido (6,137,490), and further in view of Johnson et al (6,363,204).

Regarding claim 31, Shishido discloses that the claimed feature of a display device capable of displaying first and second windows on a display screen, comprising: first receiving means [i.e. "input control unit"; 14] for receiving first image data ["data"], which is sequentially transferred from a first external device in units of frames, to be displayed on the first window [i.e. "CRT"; 2]; second receiving means [i.e. "input control unit"; 14] for receiving second image data, which is sequentially transferred from a second external device in units of frames, to be displayed on the second window [i.e. "CRT"; 3]; (See Fig 1, Fig 8, col 7 line 46-50) memory [i.e. "display memory"; 8] means

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for storing the first image data and the second image data (See Fig 1, col 3 line 21, col 3 line 26); reading control means [i.e. "CRT controller"; 6, 7] for reading image data stored in memory means [8] for displaying the image data on display screen (See Fig 1, Fig 8, col 3 line 17-26); connecting means [i.e. "BUS"; 12] for connecting first receiving means [5,14] and second receiving means [5,14] to memory means [8], (See Fig 1, Fig 8) and storing control means [i.e. "control unit"; 11] for storing the first image data received by first receiving means [5,14] and the second image data received by second receiving means [5,14] in memory means [8,10] through connecting means [12], (See Fig 1, Fig 8) wherein connecting means [i.e. "SW unit"; 16] opens and closes a first connecting gate which connects second receiving means [5,14] and memory means [8,10] at predetermined intervals when the first window is an active window ["active CRT"], and opens and closes a second connecting gate which connects first receiving means and memory means at predetermined intervals when the second window is an active window, (See Fig 8, col 6 line 61-col 7 line 24, col 7 line 53-col 8 line 35) and wherein storing control means [i.e. "control unit"; 11] controls a connection [16] between either of first or second receiving means [5,14], receiving a signal to be displayed to an inactive window [i.e. "inactive CRT"], and memory means [8,10] storing the received signal, to decrease the signal to be displayed to the inactive window. [i.e. 'decreasing the luminance in inactive CRT] (See Fig 1, Fig 8, col 4 line 8-14, col 4 line 36-61, col 7 line 16-19, col 8 line 13-17)

Shishido does not explicitly disclose that inputting image data from two different image data source. However, such limitations are shown in the teaching of Johnson et al. [i.e. 'first video source'; 502, 'second video source'; 504] (See Abstract, Fig 5, Fig 7, col 4 line 21-29, col 6 line 64-col 7 line 7) It would have been obvious to one skilled in the art to incorporate the teaching of Johnson et al into the teaching of Shishido, in order to manage different type of input data format effectively, as such improvement is also advantageously desirable in the teaching of Shishido for handling different type of image data format [i.e. TV, video, still image...etc] with optimized manner. Furthermore, although Shishido shows only one external storage device [4 in Fig 1], it would have been obvious to one skilled in the art to make separable external storage device for each of CRT, as such structure would provide a simplified data flows for multiple windows/screens environment with capability of handling multiple input data format. (See *Nerwin v. Erlichman*, 168 USPQ 177, 179 (PTO Bd. Of Int. 1969))

Regarding claim 33, Shishido discloses that displays image data to be displayed on an active window at a higher luminance than a luminance of image data to be displayed on an inactive window. (See col 4 line 8-14, col 4 line 36-61, col 7 line 16-19, col 8 line 13-17, col 9 line 1-14, col 10 line 17-30)

Regarding claim 34, Shishido discloses that a counter for outputting a signal when a counter value reaches a predetermined value, wherein connecting means [i.e.

"SW unit"; 16] opens and closes the first and second connecting gate on the basis of the signal output from counter. (See Fig 8, col 6 line 61-col 7 line 24, col 7 line 53-col 8 line 35)

Regarding claims 35,37-38,40-42 and 44-45, claims 35,37-38,40-42 and 44-45 are similar in scope to the claims 31 and 33-34, and thus the rejections to claims 31 and 33-34 hereinabove are also applicable to claims 35,37-38,40-42 and 44-45.

Response to Arguments/Amendment

Applicant's arguments with respect to claims 31,33-35,37-38,40-42 and 44-45 have been considered but are moot in view of the new ground(s) of rejection. Specifically, in response to applicant's argument that the cited references do not disclose "control means for controlling a connection between either the first or second receiving means, receiving a signal to be displayed to an inactive window, and the memory means storing the received signal in order to decrease the signal to be displayed to the inactive window" (See Remark p. 11 line 20-p.12 line 2), Shishido clearly teaches such feature. [i.e. 'decreasing the luminance in inactive CRT by controlling SW unit] (See Fig 1, Fig 8, col 4 line 8-14, col 4 line 36-61, col 6 line 61-col 7 line 24, col 7 line 53-col 8 line 35) See the rejection hereinabove.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Chung whose telephone number is (571) 272-7657. He can normally be reached Monday-Thursday and alternate Fridays from 7:30am- 5:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael, Razavi, can be reached at (571) 272-7664.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

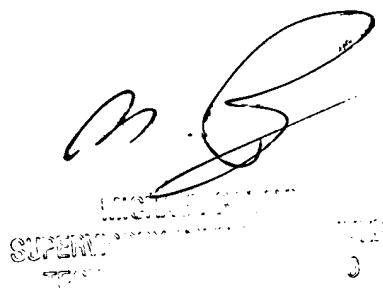
(703) 872-9306 (Central fax)

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

djc
April 11, 2005



A handwritten signature, possibly reading "M. S.", is written over a rectangular stamp. The stamp contains the word "SEARCHED" in a bold, sans-serif font, with other less legible text and a date "APR 11 2005" below it.